



Combating Weapons of Mass Destruction: *Defeating Current and Future Threats*

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Outline

- **Weapons of Mass Destruction (WMD)**
- **Strategy for Combating WMD**
- **ATSD(NCB) Mission**
- **ATSD(NCB) Programs**
- **Summary**

WMD Threat Perspective

“On September the 11th, 2001, America and the world witnessed a new kind of war. We saw the great harm that a stateless network could inflict upon our country, killers armed with box cutters, mace, and 19 airline tickets. Those attacks also raised the prospect of even worse dangers -- of other weapons in the hands of other men. The greatest threat before humanity today is the possibility of secret and sudden attack with chemical or biological or radiological or nuclear weapons.”



***President George W. Bush,
February 11, 2004***

Weapons of Mass Destruction



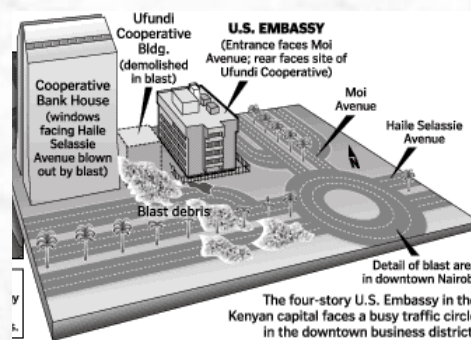
Nuclear



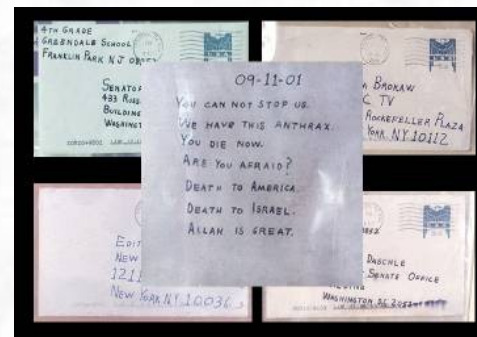
Radiological



Chemical



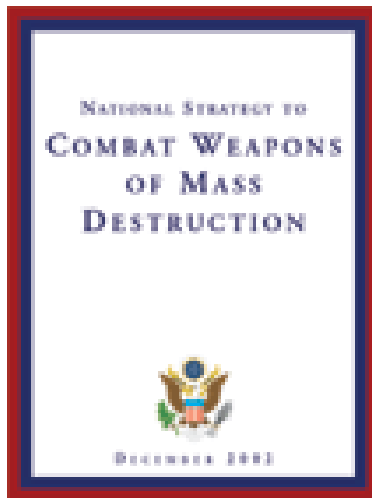
High Explosives



Biological

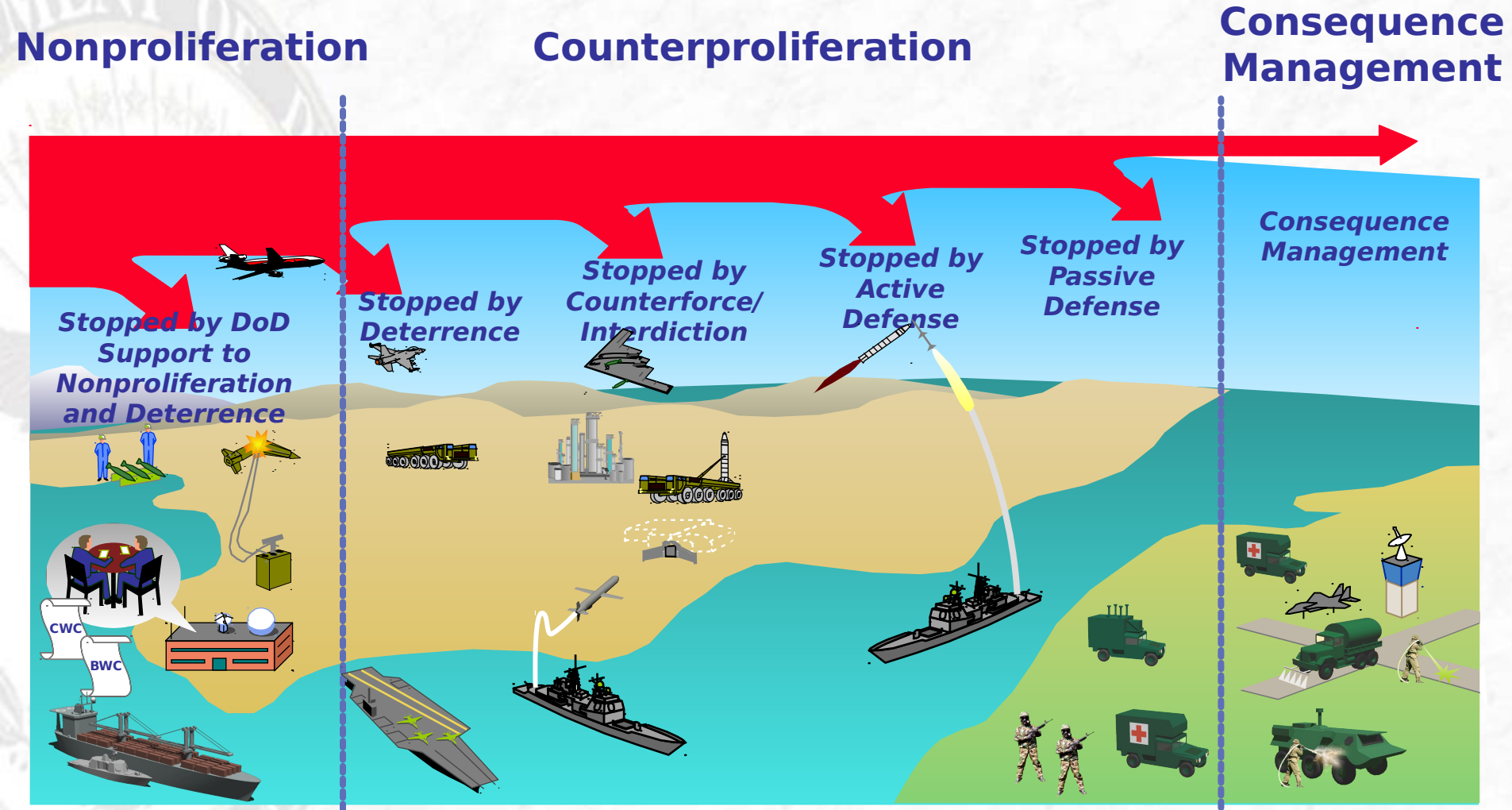
Guidance

- National Security Strategy of the United States of America



- National Strategy to Combat Weapons of Mass Destruction
- National Defense Strategy

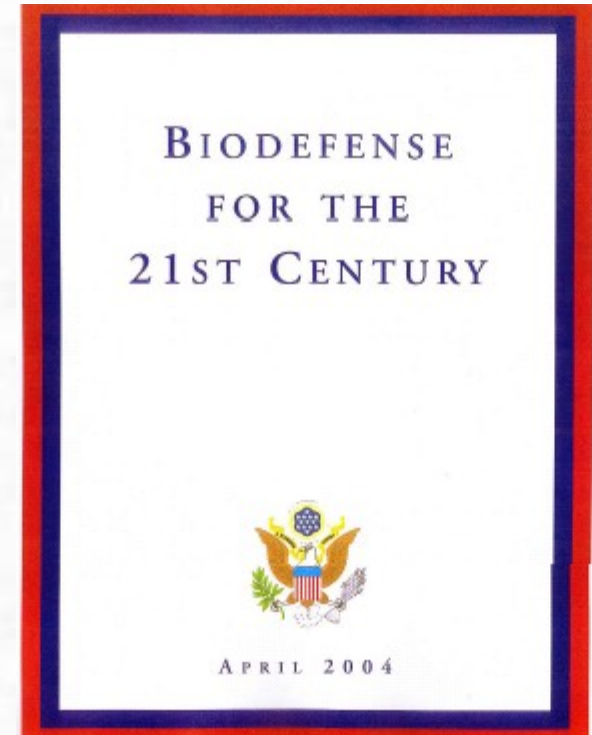
Strategy for Combating WMD



National Strategies Addressing Emerging Threats

***Biodefense for the 21st Century, The White House, April 2004
(NSPD-33/HSPD-10)***

- “Preventing and controlling future biological weapons threats will be even more challenging...”
- “The proliferation of biological materials, technologies, and expertise increases the potential for adversaries to design a pathogen to evade our existing medical and non-medical countermeasures...”



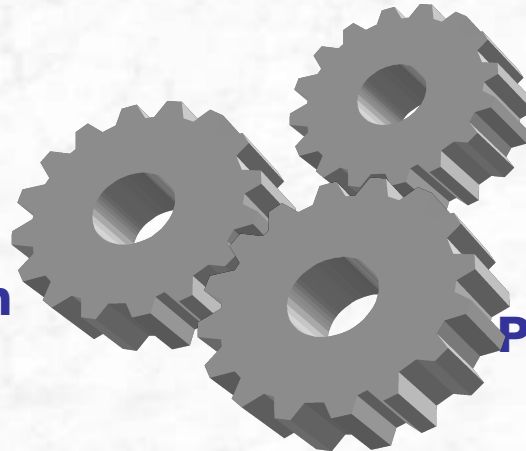
ATSD(NCB)

- **Advise SECDEF on policies and plans affecting WMD threat reduction**
- **Provide Oversight of DoD Nuclear, Chemical and Biological Defense Programs**

**DoD Decision
Support Processes**

**Joint Capabilities Integration
and Development System
(JCIDS)**

**Defense
Acquisition
System**



**Planning,
Programming,
Budget and
Execution
System (PPBES)**

ATSD(NCB)

Secretary of Defense

**Under Secretary of Defense for
Acquisition, Technology
and Logistics**

**ATSD
(NCB)**

ATSD (NCB)

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Special Assistant,
Mr. Jean Reed

Nuclear Matters
Deputy,
Mr. Steve Henry

ATSD(NCB)

- **Cooperative Threat Reduction**
- **Treaty Support**
- **Chemical Demilitarization**
- **Chemical and Biological Defense**
- **Defense Threat Reduction Agency**



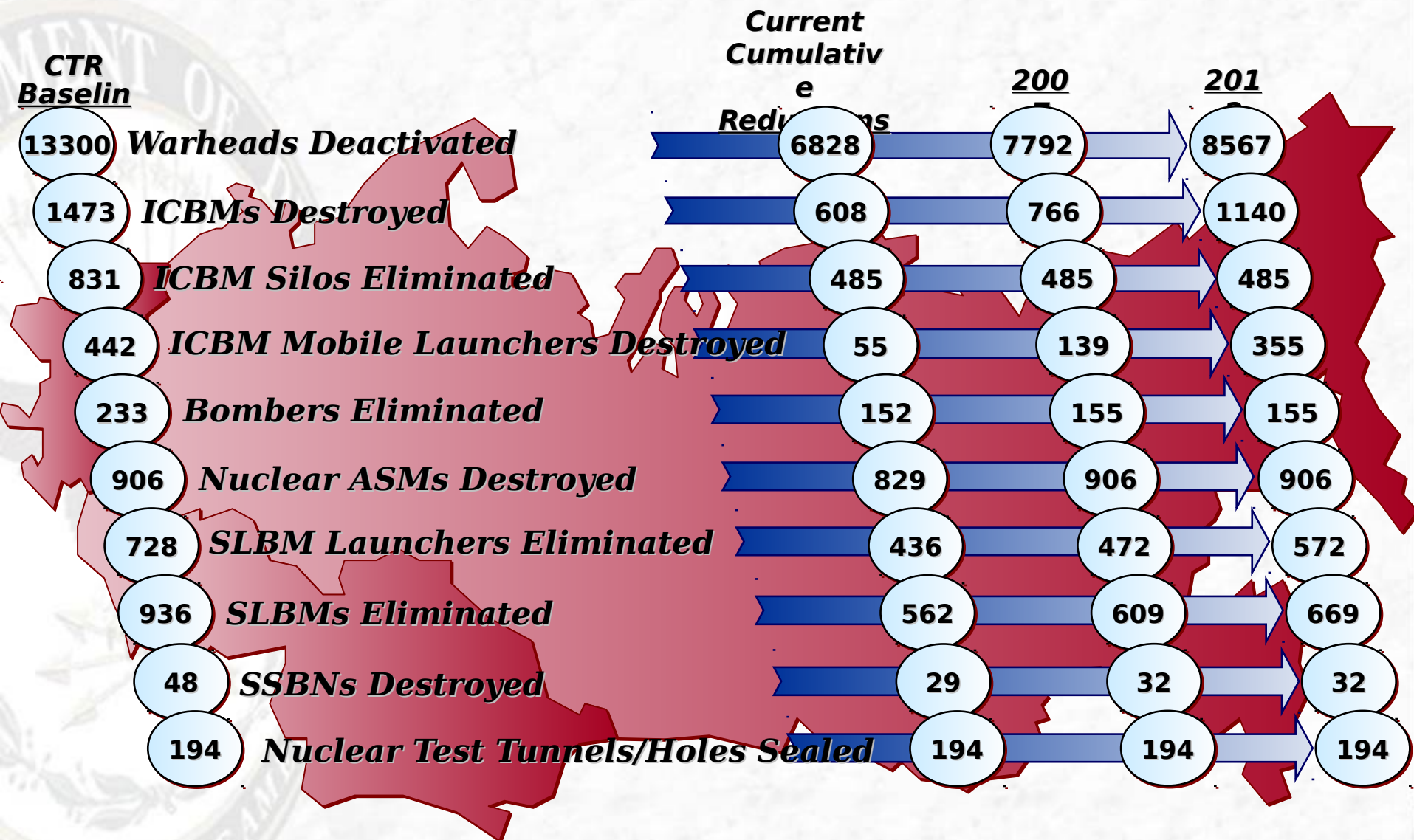
Threat Reduction

- **Cooperative Threat Reduction**
- **DoD Treaty Manager for NBC Weapons Treaties**
 - **NTBT, NPT/IAEA Strengthened Safeguards Protocol, FMCT, CWC, BWC**



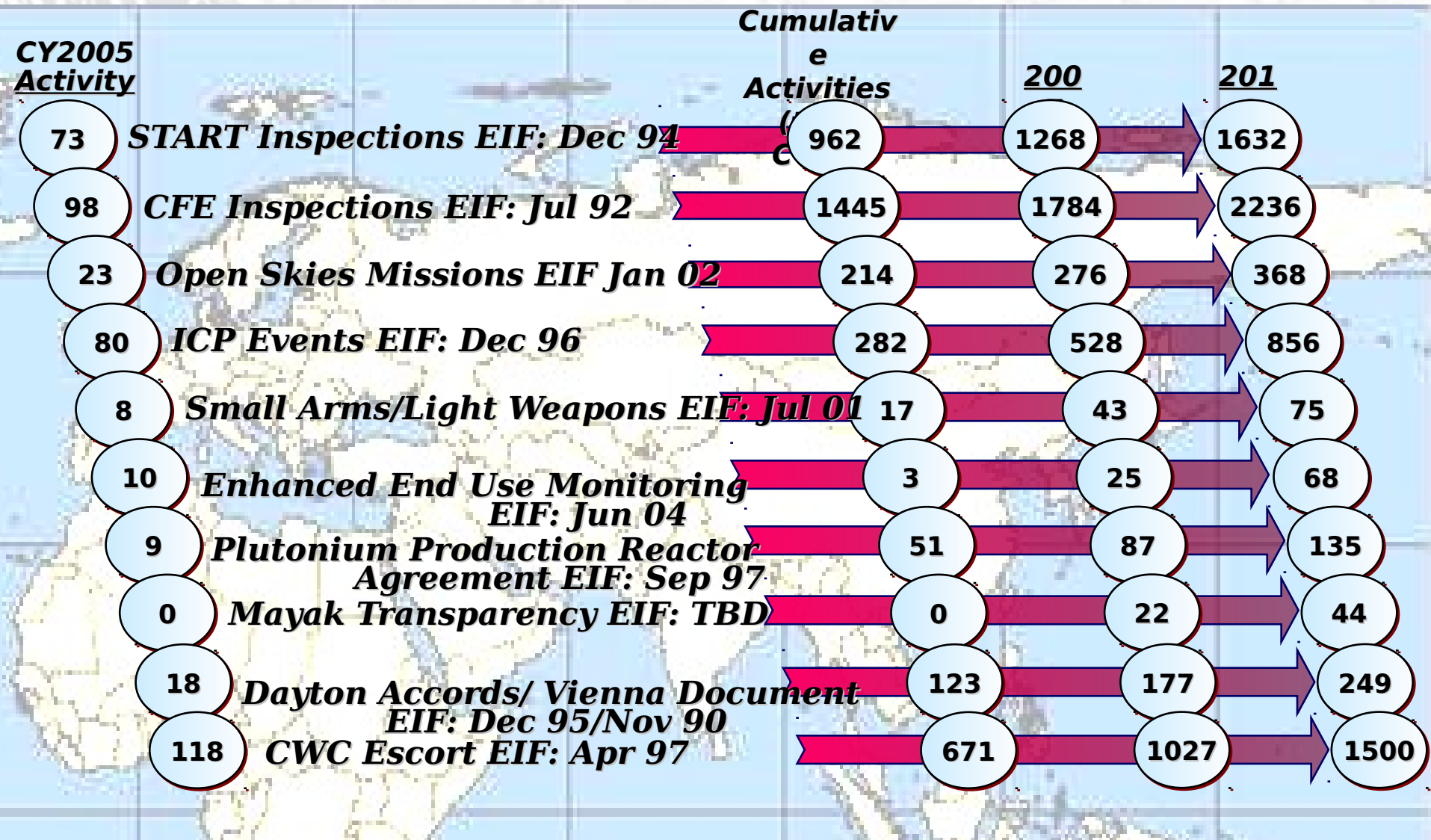
Cooperative Threat Reduction

Ukraine, Kazakhstan, & Belarus are Nuclear Weapons Free



Current numbers as of 06 December 2005; projections as of 31 Dec 2006

Treaty Support



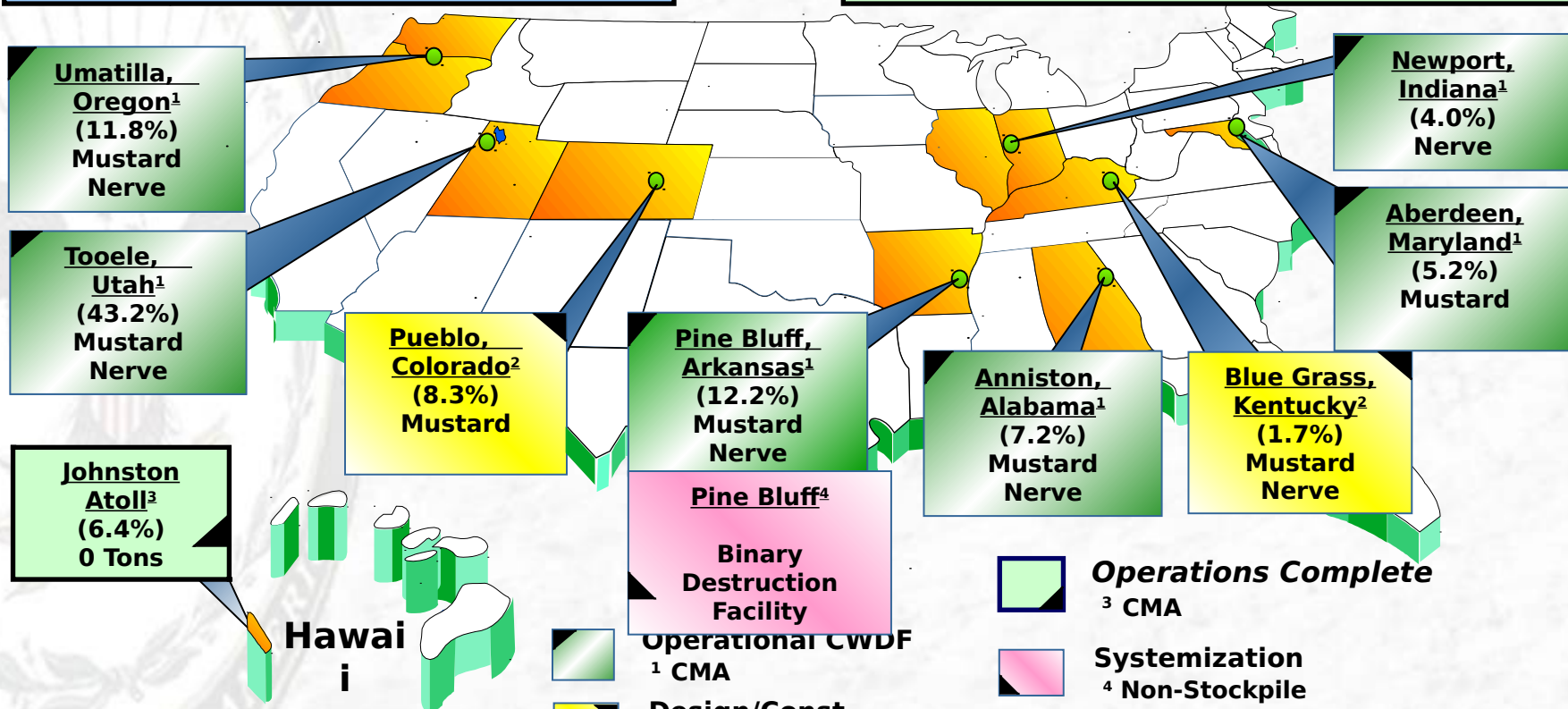
Chemical Stockpile/Destruction Sites as of January 8, 2006

Original Stockpile

Total Original Stockpile: **31,498 Tons**
 Remaining Stockpile: **19,554 Tons**
 Quantity Destroyed: **11,944 Tons**
 Percent Destroyed: **37.9%**

CWC Declared Stockpile

Total Declared Stockpile: **30,612 Tons**
 Remaining Declared Stockpile: **19,739 Tons**
 Declared Quantity Destroyed: **10,873 Tons**
 Declared Percent Destroyed: **35.5%**



CMA - Chemical Materials Agency

CWDF - Chemical Weapons Destruction Facility

ACWA - Assembled Chemical Weapons Alternatives

Note: All values in US tons, and (%) - Percentage of Original Stockpile

Stored

Chemical and Biological Defense



***An integrated response to the threat is required -
There will be no Silver Bullet!***

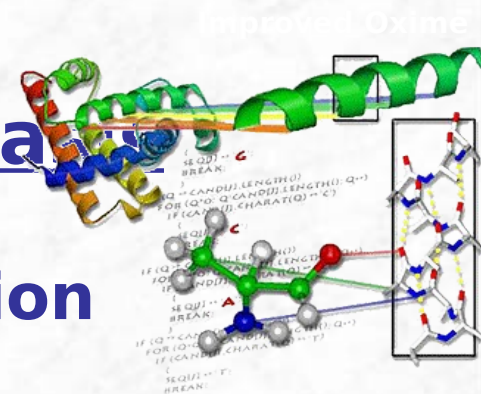
Key Initiatives for the CB Defense Program

Infrastructure Improvements

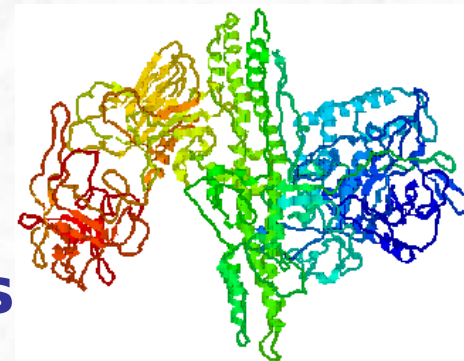
- Test & Evaluation Facilities
- Non-Traditional Agent (NTA) Test Chamber
- USAMRIID Recapitalization

RDT&E Areas of Additional Emphasis

- S&T for Non-Traditional detection
- Biological point and standoff detection
- Chemical point detection
- Medical Prophylaxis
- Battle Analysis
- Decontamination
- Bio Defense Initiatives
(Advanced Medical Countermeasures)

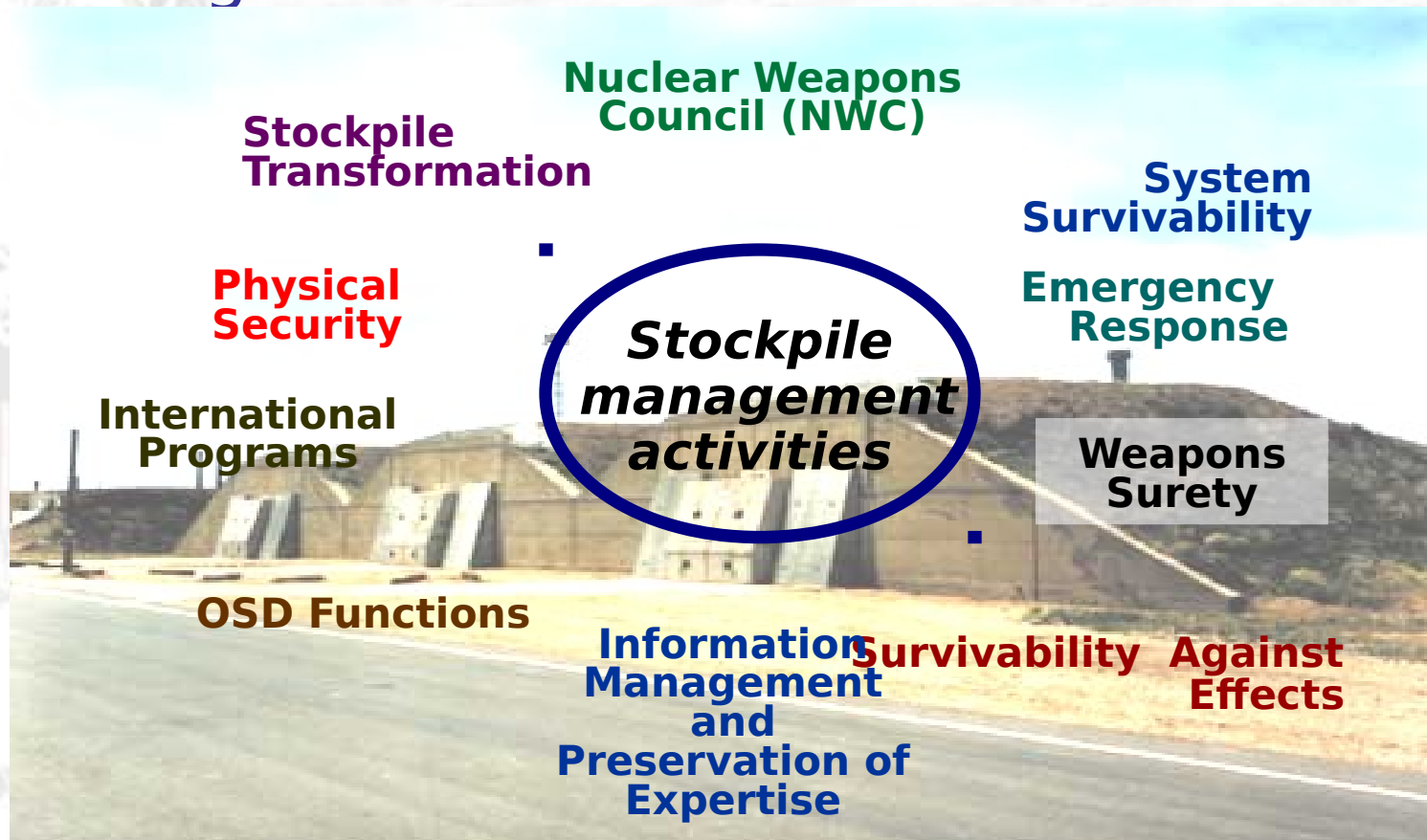


Biologic Agent Bioscavenor Pretreatment



Nuclear Matters

DOD focal point for nuclear stockpile management



Defense Threat Reduction Agency (DTRA)



Mission
Safeguard America
and its allies from
Weapons
of Mass Destruction
by providing
capabilities to
reduce, eliminate
and counter the
threat and
its effects



Defense Threat Reduction Agency (DTRA)

Combat Support Role

To provide warfighting support to the Joint Chiefs of Staff, the Joint Staff, the Combatant Commands and military services to engage the threat and challenges posed to the United States, its forces and allies by weapons of mass destruction.



Pentagon reconstruction using DTRA-developed blast mitigation techniques.



Running ACTDs and Providing Consequence Management Teams

Summary

ATSD(NCB) oversees DoD nuclear and chemical and biological defense programs

- Alignment with guidance
- Strategy and investment integration
- Internal and external coordination
- Resource review and approval